

## **IN THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

### **Listing of Claims**

1-20. (Canceled)

21. (New) A light source apparatus, comprising:

an elongated member, having an interior surface, adapted to allow light to pass through;

an open end of said elongated member adapted to allow light to escape said elongated member;

a closed end of said elongated member, opposite said open end, adapted to reflect light; and

a plurality of light-emitting diodes, positioned at substantially equal intervals, located in a longitudinal direction on the interior surface of said elongated member.

22. (New) The apparatus according to claim 21,

wherein light-emitting diodes located nearest the closed end of the elongated member are positioned at a distance away from the closed end that is substantially one half of the substantially equal intervals.

23. (New) The apparatus according to claim 21, wherein said light-emitting diodes are red light-emitting diodes.

24. (New) The apparatus according to claim 21, wherein said light-emitting diodes are white light-emitting diode.

25. (New) The apparatus according to claim 21, wherein said elongated member is elongated in such a manner so that a portion nearest the open end is curved.

26. (New) The apparatus according to claim 21, wherein said elongated member is hollow and the interior surfaces other than the open end are light-reflecting surfaces.

27. (New) The apparatus according to claim 21,  
wherein said elongated member is composed of a solid transparent material, and  
wherein said elongated member has recesses formed on its longitudinal side surfaces to dispose said light-emitting diodes, and portions of the elongated member other than said recesses and said open end are light-reflecting surfaces.

28. (New) A projection apparatus, comprising:  
a light source adapted to irradiate light, comprising:  
an elongated member, having an interior surface, adapted to allow light to pass through;  
an open end of said elongated member adapted to allow light to

escape said elongated member;

a closed end of said elongated member, opposite said open end,  
adapted to reflect light; and

a plurality of light-emitting diodes, positioned at substantially  
equal intervals, located in a longitudinal direction on the interior surface of said elongated  
member;

a light modulator adapted to modulate the light irradiated from the light source in  
response to a video signal; and

a projection lens for projecting the modulated light.

29. (New) The apparatus according to claim 28,

wherein light-emitting diodes located nearest the closed end of the elongated  
member are positioned at a distance away from the closed end that is substantially one half of the  
substantially equal intervals.

30. (New) The apparatus according to claim 28, wherein said light-emitting  
diodes are white light-emitting diodes.

31. (New) The apparatus according to claim 28, wherein said light source is  
composed of a red light source containing only a red component, a green light source containing  
only a green component, and a blue light source containing only a blue component.

32. (New) The apparatus according to claim 28, wherein said elongated

member is elongated in such a manner so that a portion closest to the open end is curved.

33. (New) The apparatus according to claim 28, wherein said elongated member is hollow and the interior surfaces other than the open end are light-reflecting surfaces.

34. (New) The apparatus according to claim 28,  
wherein said elongated member is composed of a solid transparent material, and  
wherein said elongated member has recesses formed on its longitudinal side surfaces to dispose said light-emitting diodes, and portions of the elongated member other than said recesses and said open end are light-reflecting surfaces.

35. (New) The apparatus according to claim 28, further comprising:  
a reflector for reflecting light emitted from said light source to provide parallel light,  
wherein said elongated member is elongated in such a manner that said open end is curved and said open end is positioned opposite said reflector.

36. (New) A projection apparatus, comprising:  
a light source comprising:  
a first light source and a second light source, said second light source having an emission spectra different from an emission spectra of said first light source; and an optical system for replacing light of a specific wavelength band from said first light source with light from said second light source,

said second light-source comprising:

an elongated member, having an interior surface, adapted to allow light to pass through;

an open end of said elongated member adapted to allow light to escape said elongated member;

a closed end of said elongated member, opposite said open end, adapted to reflect light; and

a plurality of light-emitting diodes, positioned at substantially equal intervals, located in a longitudinal direction on the interior surface of said elongated member;

a light modulator adapted to modulate the light irradiated from the light source in response to a video signal; and

a projection lens for projecting the modulated light.

37. (New) The apparatus according to claim 36,

wherein light-emitting diodes located nearest the closed end of the elongated member are positioned at a distance away from the closed end that is substantially one half of the substantially equal intervals.

38. (New) The apparatus according to claim 36, wherein said second light source is composed of red light-emitting diodes.